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(21)Application number : 2000-293407 (71)Applicant : ADVANCED DISPLAY INC

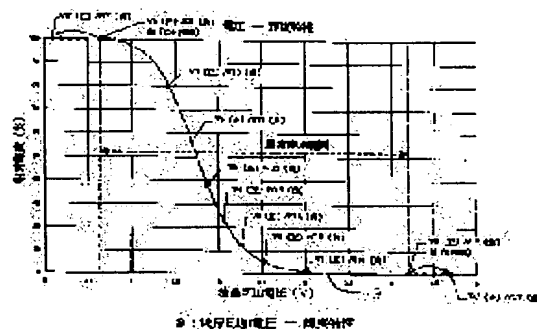
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(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the problem that in a conventional liquid crystal display device, it has been impossible to speed up the responsiveness of a liquid crystal because a sufficient correction voltage was not used when a gradation is shifted from a bright half tone toward a gradation close to the saturated gradation.

SOLUTION: The responsiveness of a liquid crystal is speeded up also when a gradation is shifted from half tone to white and black, by forming a reference voltage having a maximum value higher than a maximum value of the liquid crystal application voltage and having a minimum value lower than a minimum value of the liquid crystal application voltage which are used for obtaining a prescribed a liquid crystal application voltage-brightness characteristic 9, forming a correction voltage to speed up the responsiveness of the liquid crystal from this reference voltage by a signal line driving circuit, and supplying it to a display part.



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